

TSSK1B recombinant protein

TSSK1B, Active

CATALOG # AAA73968	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

TSSK1B; Active; TSSK1; STK22D; FKSG81; SPOGA4; TSSK1B recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for TSSK1B recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for TSSK1B recombinant protein	Recombinant full-length human TSSK1B was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_032028. TSSK1B (testis-specific serine kinase 1B) is a member of a unique subfamily of protein kinases belonging to the AMPK branch on the human kinome tree. TSSK1B is a serine/threonine kinases that is highly expressed in testis and lower express in pancreas, and weak expression in a few other tissues. TSSK members are present in the equatorial segment of human sperm. TSSK1B share 72% amino acid identity and 83% identity in the kinase domain with other family TSSK members and the TSSK1 gene is intronless. In vitro kinase assay shows phosphorylation of TSKS by TSSK1 and TSSK2.
Product Categories/Family for TSSK1B recombinant protein	Protein Kinases ; Cancer ; Cardiovascular Disease ; Ser/Thr Kinases
References	1. Hao, Z. et.al: Expression analysis of the human testis-specific serine/threonine kinase (TSSK) homologues: a TSSK member is present in the equatorial segment of human sperm. 2. Xu, B. et al: Validation of a testis specific serine/threonine kinase [TSSK] family and the substrate of TSSK1 & 2, TSKS, as contraceptive targets. Soc Reprod Fertil Suppl. 2007;63:87-101.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_032028
Molecular Weight	~71kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tssk1b-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73968>